

## TRIBUTARIES BETWEEN PARKER DAM AND GILA RIVER

09429510 MITTRY LAKE TRIBUTARY NEAR YUMA, AZ

LOCATION.--Lat 32°51'35", long 114°26'05", in SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.32, T.6 S., R.21 W., Yuma County, Hydrologic Unit 15030107, at Yuma Test Station, 14.5 mi northeast of Yuma.

DRAINAGE AREA.--0.30 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1965	04-03-65	1.0	LT	1971	09-29-71	45	
1966	12-09-65	50		1972	06-06-72	55	
1967	09-02-67	42		1973	08-16-73	165	
1968	02-12-68	48		1974	00-00-74	0	
1969	01-14-69	3.0	ES	1975	00-00-75	0	
1970	03-01-70	22		1976	09-24-76	10	

Magnitude and probability of instantaneous peak flow based on period of record 1965-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2†	5†	10†	25†	50†	100†
50%	20%	10%	4%	2%	1%
22	62.8	106	182	256	346
Weighted skew	(logs) =	-0.19			
Mean	(logs) =	1.33			
Standard dev.	(logs) =	0.56			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
122	0.98	346	0.0	3.0	4.2	1.3	3.6

